

ABSTRACT OF THE DISCLOSURE

An optical module comprising: an optical fiber; an optical element having an optical section and with a fixed position relative to the optical fiber; and a semiconductor chip electrically connected to the optical element, and the optical element and semiconductor chip being packaged. A hole is formed in the semiconductor chip, and the optical element is mounted on the semiconductor chip with the optical section facing the hole, and the optical fiber is inserted in the hole and fitted to the semiconductor chip.